

JAPAN AS REPRESENTED BY THE PRESIDENT OF THE UNIVERSITY OF TOKYO

<130> ONC-A0407-US

<170> PatentIn version 3.1

〈213〉 Homo sapiens

〈223〉

t c c t c a a a g g	a g g g g c a g a g	c c t g c g c a g g	g c a g g a g c a g	c t g g c c c a c t	g g c g g c c c g c	60
a a c a c t c c g t	c t c a c c c t c t	g g g c c c a c t g	c a t c t a g a g g	a g g g c c g t c t	g t g a g g c c a c	120
t a c c c c t c c a	g c a a c t g g g a	g g t g g g a c t g	t c a g a a g c t g	g c c c a g g g t g	g t g g t c a g c t	180
g g g t c a g g g a	c c t a c g g c a c	c t g c t g g a c c	a c c t c g c c t t	c t c c a t c g a a	g c a g g g a a g t	240
g g g a g c c t c g	a g c c c t c g g g	t g g a a g c t g a	c c c c a a g c c a	c c c t t c a c c t	g g a c a g g	297

atg aga gtg tca ggt gtg ctt cgc ctc ctg gcc ctc atc ttt gcc ata 345
Met Arg Val Ser Gly Val Leu Arg Leu Leu Ala Leu Ile Phe Ala Ile
1 5 10 15

gtc acg aca tgg atg ttt att cga agc tac atg agc ttc agc atg aaa 393
Val Thr Thr Trp Met Phe Ile Arg Ser Tyr Met Ser Phe Ser Met Lys
20 25 30

acc atc cgt ctg cca cgc tgg ctg gca gcc tcg ccc acc aag gag atc 441
Thr Ile Arg Leu Pro Arg Trp Leu Ala Ala Ser Pro Thr Lys Glu Ile
35 40 45

cag gtt aaa aag tac aag tgt ggc ctc atc aag ccc tgc cca gcc aac	489
Gln Val Lys Lys Tyr Lys Cys Gly Leu Ile Lys Pro Cys Pro Ala Asn	
50 55 60	
tac ttt gcg ttt aaa atc tgc agt ggg gcc gcc aac gtc gtg ggc cct	537
Tyr Phe Ala Phe Lys Ile Cys Ser Gly Ala Ala Asn Val Val Gly Pro	
65 70 75 80	
act atg tgc ttt gaa gac cgc atg atc atg agt cct gtg aaa aac aat	585
Thr Met Cys Phe Glu Asp Arg Met Ile Met Ser Pro Val Lys Asn Asn	
85 90 95	
gtg ggc aga ggc cta aac atc gcc ctg gtg aat gga acc acg gga gct	633
Val Gly Arg Gly Leu Asn Ile Ala Leu Val Asn Gly Thr Thr Gly Ala	
100 105 110	
gtg ctg gga cag aag gca ttt gac atg tac tct gga gat gtt atg cac	681
Val Leu Gly Gln Lys Ala Phe Asp Met Tyr Ser Gly Asp Val Met His	
115 120 125	
cta gtg aaa ttc ctt aaa gaa att ccg ggg ggt gca ctg gtg ctg gtg	729
Leu Val Lys Phe Leu Lys Glu Ile Pro Gly Gly Ala Leu Val Leu Val	
130 135 140	
gcc tcc tac gac gat cca ggg acc aaa atg aac gat gaa agc agg aaa	777
Ala Ser Tyr Asp Asp Pro Gly Thr Lys Met Asn Asp Glu Ser Arg Lys	
145 150 155 160	
ctc ttc tct gac ttg ggg agt tcc tac gca aaa caa ctg ggc ttc cgg	825
Leu Phe Ser Asp Leu Gly Ser Ser Tyr Ala Lys Gln Leu Gly Phe Arg	
165 170 175	
gac agc tgg gtc ttc ata gga gcc aaa gac ctc agg ggt aaa agc ccc	873
Asp Ser Trp Val Phe Ile Gly Ala Lys Asp Leu Arg Gly Lys Ser Pro	
180 185 190	
ttt gag cag ttc tta aag aac agc cca gac aca aac aaa tac gag gga	921
Phe Glu Gln Phe Leu Lys Asn Ser Pro Asp Thr Asn Lys Tyr Glu Gly	
195 200 205	
tgg cca gag ctg ctg gag atg gag ggc tgc atg ccc ccg aag cca ttt	969
Trp Pro Glu Leu Leu Glu Met Glu Gly Cys Met Pro Pro Lys Pro Phe	

210

215

220

tag ggtggctgtg gctcttccctc agccaggggc ctgaagaagc tccctgcctga 1022

cttaggagtc agagccccggc aggggctgag gaggaggagc aggggggtgct gcgttggaagg 1082
 tgcctgcaggt ccttgcacgc tgtgtcgcgc ctctctctct cggaaacaga accctccac 1142
 agcacatcct acccggaaga ccagcctcag agggctcctc tggaaccagc tgtctgtgga 1202
 gagaatgggg tgccttcgtc agggactgct gacggctggt cctgaggaag gacaaactgc 1262
 ccagacttga gcccaattaa attttatttt tgcctggtttt gaatgaaaaa aaaaaaaaaa 1322

<210> 2

<211> 224

<212> PRT

<213> Homo sapiens

<400> 2

Met Arg Val Ser Gly Val Leu Arg Leu Leu Ala Leu Ile Phe Ala Ile
 1 5 10 15

Val Thr Thr Trp Met Phe Ile Arg Ser Tyr Met Ser Phe Ser Met Lys
 20 25 30

Thr Ile Arg Leu Pro Arg Trp Leu Ala Ala Ser Pro Thr Lys Glu Ile
 35 40 45

Gln Val Lys Lys Tyr Lys Cys Gly Leu Ile Lys Pro Cys Pro Ala Asn
 50 55 60

Tyr Phe Ala Phe Lys Ile Cys Ser Gly Ala Ala Asn Val Val Gly Pro
 65 70 75 80

Thr Met Cys Phe Glu Asp Arg Met Ile Met Ser Pro Val Lys Asn Asn
 85 90 95

Val Gly Arg Gly Leu Asn Ile Ala Leu Val Asn Gly Thr Thr Gly Ala
 100 105 110

Val Leu Gly Gln Lys Ala Phe Asp Met Tyr Ser Gly Asp Val Met His
 115 120 125

Leu Val Lys Phe Leu Lys Glu Ile Pro Gly Gly Ala Leu Val Leu Val

130	135	140
Ala Ser Tyr Asp Asp Pro Gly Thr Lys Met Asn Asp Glu Ser Arg Lys		
145	150	155 160
Leu Phe Ser Asp Leu Gly Ser Ser Tyr Ala Lys Gln Leu Gly Phe Arg		
	165	170 175
Asp Ser Trp Val Phe Ile Gly Ala Lys Asp Leu Arg Gly Lys Ser Pro		
	180	185 190
Phe Glu Gln Phe Leu Lys Asn Ser Pro Asp Thr Asn Lys Tyr Glu Gly		
	195	200 205
Trp Pro Glu Leu Leu Glu Met Glu Gly Cys Met Pro Pro Lys Pro Phe		
	210	215 220